



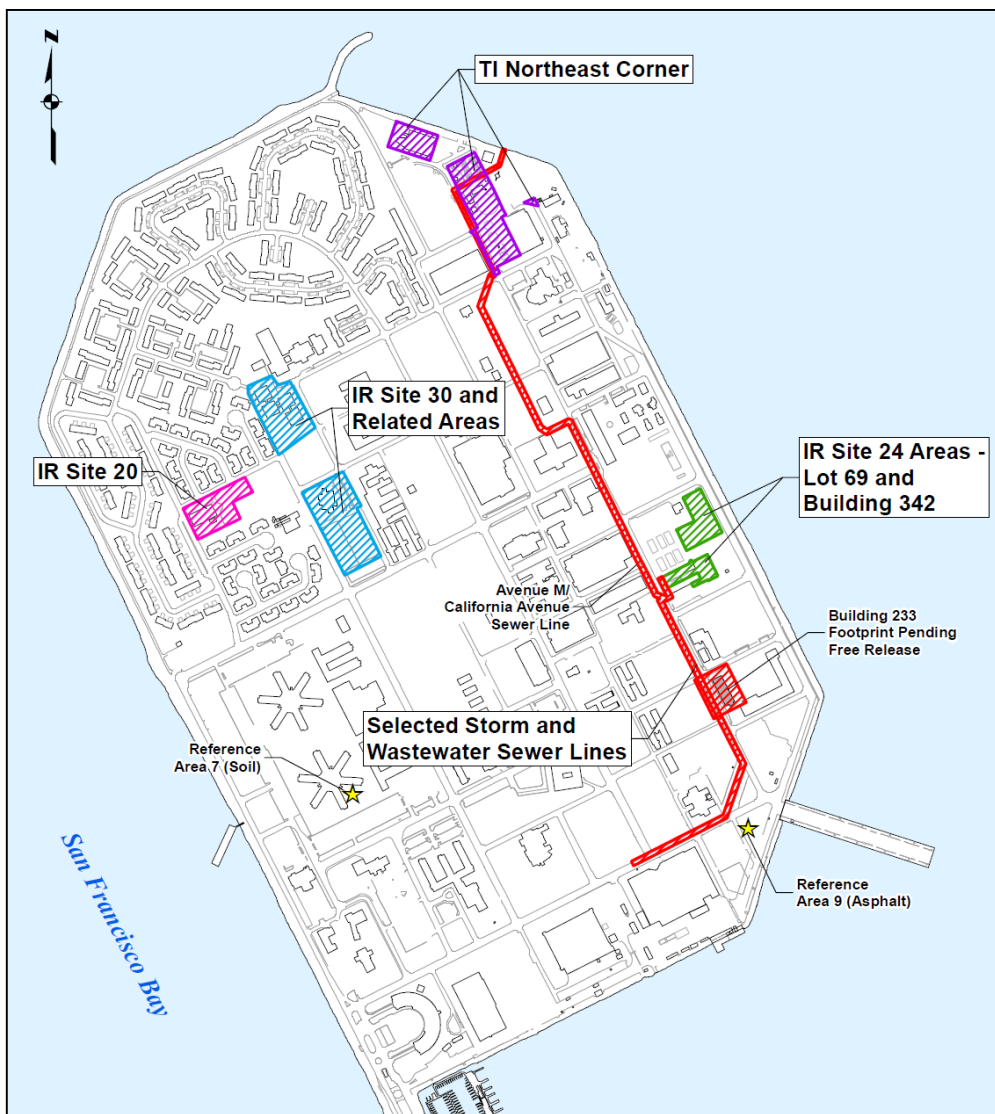
Radiological Surveys at Various Areas Former Naval Station Treasure Island

September 2015 BCT Meeting

Danielle Janda, Navy Remedial Project Manager

September 16, 2015

Radiological Scanning of Various Areas – Part II



- **Five (5) Project Areas:**
 - TI Northeast Corner
 - IR Site 30 and Related Areas
 - IR Site 24 Areas – Lot 69 and Building 342
 - IR Site 20
 - Selected Storm and Wastewater Sewer Lines

Status of Field Work



SU	Material	Field Work Complete (Yes/No)	Remediation Required (Yes/No)
TI Northeast Corner	Building, Soil, Asphalt	Yes	No
IR Site 30/30N/30S	Asphalt, Soil, Concrete	Yes*	No
IR Site 24 Areas Lot 69 and Building 342	Building, Soil, Asphalt, Concrete	Yes	No
IR Site 20	Soil, Asphalt	Yes	Yes Soil above screening criteria identified in single location
Selected Storm and Wastewater Sewer Lines	Pipes (in place and/or excavated)	No	See Following Slides

*Field Work complete, but additional work will be completed before report is provided

Summary of Activities and Obstructions During Force Main Survey



August 12, 2015

- Video Camera and Radiological Detector inserted in **Vault 6**
 - Heavy sludge observed in the line
 - North Direction: the camera/detector could not continue after 325 ft due to sludge
 - South Direction: the camera/detector was obstructed after 220 ft by a thin, rod-like object

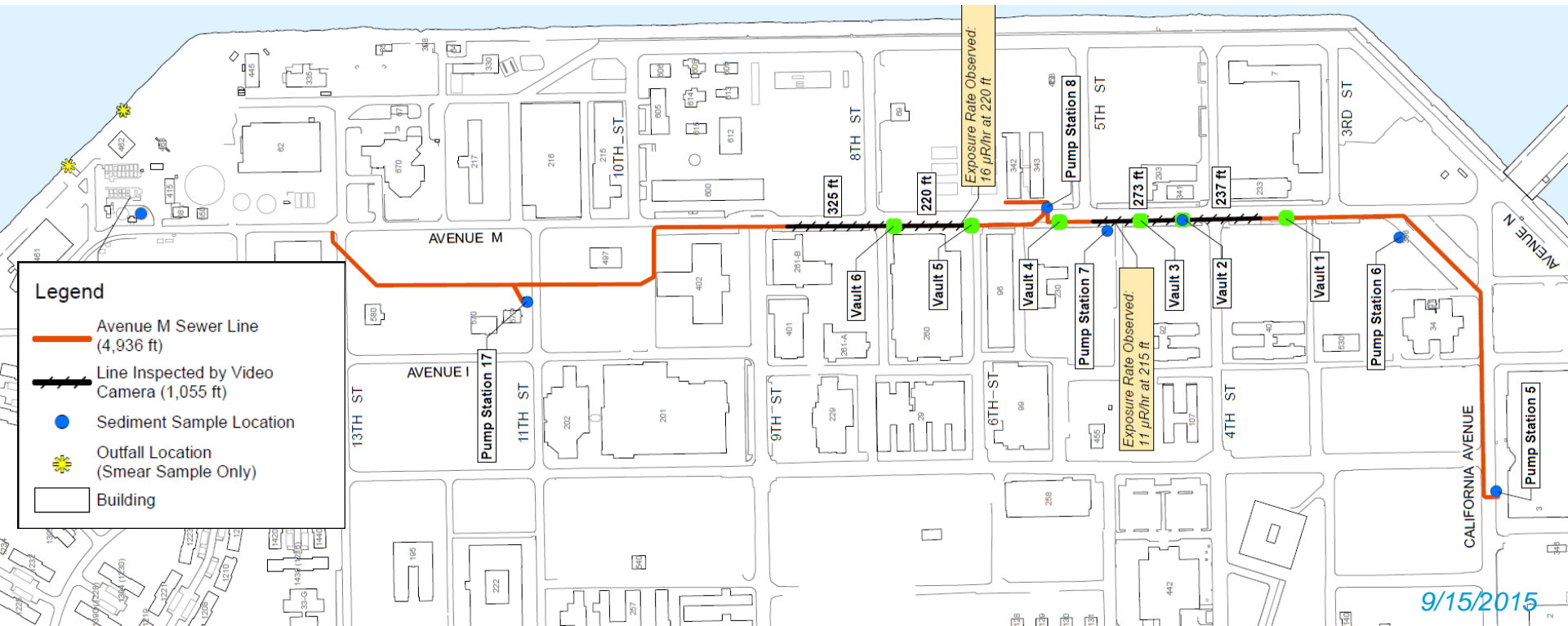
August 19, 2015

- Video Camera and Radiological Detector inserted in **Vault 2**
 - Heavy sludge observed in the line
 - North Direction: the camera/detector was obstructed at 273 ft due to an unknown object underneath water
 - South Direction: the camera/detector was obstructed at 237 ft due to sludge

Gamma Survey Observations



- Ambient Readings were typically between 6 and 10 $\mu\text{R/hr}$
- Two locations identified as slightly above ambient readings:
 - 11 $\mu\text{R/hr}$ North of Vault 2
 - 16 $\mu\text{R/hr}$ South of Vault 6




Sediment Samples



- **Seven sediment Samples Collected:**

- Vault 2
- Pump Station 5
- Pump Station 6
- Pump Station 7
- Pump Station 8
- Pump Station 17
- WWTP Settling Tank**

- Results expected 9/21/15



Based on discussions with SFPUC, this may be sediment from the time period during Navy operations

Reports for Radiological Surveys Parts I and II

Schedule

Draft Building 3 FSS	September 2015
Draft Characterization Survey Report of Wastewater Lines Downstream from Former Building 233 (Part I)	October 2015
Draft Site 32A FSS	November 2015
Draft TI Northeast Corner FSS	November 2015
Draft Site 24 Areas FSS	October 2015
Draft Site 20 FSS	October 2015
Draft Selected Storm and Wastewater Lines FSS Report (Part II)	November 2015
Draft Site 30/31/30N/30S FSS	July 2016

Questions?

